

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

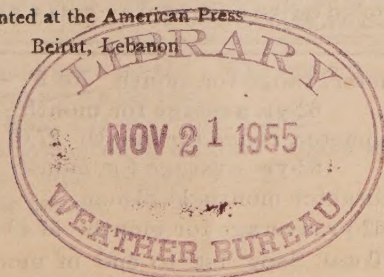
LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

April, 1946

ROBERT W. SLOANE, DIRECTOR

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APRIL 1946

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	67.0	67.6	67.8	67.5	17.5	9.6	15.0	17.0	12.5	14.8
2	7.3	6.0	6.7	6.7	20.8	14.1	16.0	20.3	16.0	17.4
3	4.7	4.0	4.6	4.4	21.3	13.1	18.2	20.4	15.6	18.1
4	6.7	5.4	5.3	5.8	24.2	16.4	19.9	22.7	17.7	20.1
5	8.9	3.3	1.4	4.5	25.1	16.2	24.8	23.0	17.3	21.7
6	60.7	59.4	60.1	60.1	24.9	15.5	20.5	23.3	17.2	20.3
7	1.1	61.4	1.6	1.4	22.0	13.3	18.7	21.6	17.2	19.2
8	2.3	1.9	2.2	2.1	21.3	14.0	18.4	21.2	15.5	18.4
9	1.6	0.0	57.8	59.6	22.7	17.2	17.8	22.1	18.2	19.4
10	56.3	56.7	7.3	6.8	22.8	16.1	19.6	22.0	17.7	19.8
11	58.5	58.4	59.1	58.7	22.5	14.6	17.2	21.0	15.6	17.9
12	9.6	9.2	9.4	9.4	21.7	13.9	18.3	21.6	16.3	18.7
13	60.9	8.8	9.4	9.7	22.4	19.4	17.6	22.1	18.8	19.5
14	59.6	61.4	61.4	60.8	24.1	15.3	18.8	21.5	17.3	19.2
15	61.7	0.7	0.1	0.8	24.5	16.7	20.2	23.9	18.3	20.8
16	59.7	58.4	59.2	59.1	24.6	16.7	20.5	22.7	17.7	20.3
17	8.8	7.8	6.1	7.6	24.5	16.8	20.9	22.1	17.0	20.0
18	3.6	4.6	6.6	4.7	22.2	11.7	21.1	22.2	18.1	20.5
19	8.4	8.8	60.6	9.3	23.1	14.9	19.1	20.3	16.7	18.7
20	61.2	61.4	1.4	61.3	22.5	14.6	19.4	20.9	17.3	19.2
21	64.3	60.9	60.8	62.0	23.0	14.4	19.4	19.4	17.6	18.8
22	0.7	0.2	0.0	0.3	22.7	15.8	19.8	20.8	19.9	20.2
23	58.5	56.4	54.5	56.5	24.2	16.3	19.1	21.4	18.3	19.6
24	4.3	3.5	3.5	3.8	26.8	18.4	20.5	25.5	19.9	22.0
25	6.0	8.2	9.6	7.9	24.0	15.6	21.8	22.4	17.6	20.6
26	62.1	61.8	62.3	62.1	23.9	15.3	20.1	22.4	16.6	19.7
27	3.0	1.5	1.9	2.1	22.3	16.2	18.4	20.6	17.1	18.7
28	0.9	59.6	59.6	0.0	24.9	16.9	20.5	22.3	17.8	20.2
29	58.5	8.1	8.3	58.3	27.6	17.9	22.6	24.9	18.8	22.1
30	5.6	2.9	0.0	2.8	25.5	19.7	21.0	22.4	20.5	21.3
	61.28	59.94	59.92	60.20	23.32	15.55	19.50	21.80	17.40	19.57

Barometer, range for month 768.9 - 750.0 mm.

„ 62-yr. average for month 760.04 mm.

Thermometer, range for month 27.6° - 9.6°C

„ 62-yr. average for month 18.96° C.

Rain, total for month 14.22 m.m.

„ 62-yr. average for month 57.40 m.m.

„ Total, Sept. 1st. to end of month 806.95 mm.

„ 62-yr. average, Sept. 1st. to end of month 862.07 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	8.3	9.3	8.5	8.7	65	66	78	70	9.8	370.0	
2	9.3	12.5	10.9	10.9	69	70	87	73	9.6	710.0	
3	11.4	13.9	12.4	12.6	74	78	95	82	9.8	460.0	
4	13.0	14.9	11.9	13.3	75	73	79	76	10.5	225.0	
5	12.9	13.7	11.6	12.7	56	65	77	66	9.6	571.0	
6	12.5	17.1	13.8	14.5	69	80	95	81	9.3	320.0	
7	12.9	15.2	13.9	14.0	80	79	95	85	10.1	459.0	
8	12.2	14.6	12.3	13.0	78	77	95	83	10.3	418.0	
9	12.5	15.5	13.2	13.7	82	79	85	82	10.1	669.0	
10	14.1	15.4	13.4	14.3	84	79	89	84	9.2	668.0	
11	12.7	15.1	12.9	13.6	87	81	98	89	2.2	536.0	12.45
12	13.1	14.4	12.6	13.7	84	74	92	83	4.6	259.0	
13	12.7	14.4	12.9	13.3	85	73	80	79	3.9	206.0	0.25
14	13.5	14.8	13.6	14.0	83	77	92	84	10.0	641.0	
15	14.4	16.5	13.8	14.9	82	74	88	81	10.4	336.0	
16	14.8	17.2	13.5	15.2	82	84	90	85	10.7	362.0	
17	13.2	17.0	12.9	14.6	76	86	89	84	12.0	158.0	
18	12.3	13.9	12.3	12.8	67	69	80	72	11.3	496.0	
19	12.7	13.3	13.0	13.0	77	75	93	82	4.4	435.0	
20	12.3	12.8	11.6	12.2	73	70	79	74	11.1	728.0	1.52
21	11.1	11.4	13.9	12.1	69	68	93	77	11.6	296.0	
22	10.5	11.4	11.3	11.1	61	62	65	63	11.3	266.0	
23	11.6	13.5	13.0	12.7	71	71	83	75	11.4	504.0	
24	14.8	15.3	15.3	15.1	83	63	88	78	12.1	538.0	
25	13.3	13.1	12.2	12.9	68	65	81	71	12.2	760.0	
26	11.9	11.9	10.9	11.6	68	59	77	68	10.6	338.0	
27	11.4	12.4	12.1	12.0	73	69	83	75	11.8	241.0	
28	13.2	14.2	13.2	13.5	74	71	87	77	10.8	204.0	
29	14.9	16.4	12.5	13.9	63	69	77	70	10.3	232.0	
30	13.6	16.0	13.1	14.2	74	80	73	76	10.8	225.0	
	12.54	14.37	12.65	13.13	74.4	72.8	85.2	77.5	9.72	421.03	0.47

Height of Barometer above sea level: 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equals G. C. T.

62 year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	0	0	0.3	1ne	2nw	2nw	slight	
2	0	0	0	0.0	1ne	2ne	3ne	"	
3	0	0	0	0.0	2ne	1ne	1ne	"	
4	0	0	0	0.0	1ne	1n	0	light	
5	2ci	6ci-cu	3ci	3.7	2e	2e	1e	"	
6	3ci	2ci	4cu	3.0	2sw	1w	1w	light	
7	1st	0	0	0.3	3sw	2sw	1se	"	Tr. a.m.
8	0	0	0	0.0	2sw	2sw	1sw	"	
9	0	1ci	3ci	1.3	1nw	2ne	1ne	"	
10	0	1cu	0	0.3	4sw	3sw	0	slight	
11	10cu	7cu-ci	7ni	8.0	2e	2sw	1sw	light	Tr. a.m.
12	10cu	2ci	0	4.0	2sw	2sw	0	slight	" " "
13	10cu	7cu	0	5.7	1w	1w	0	"	
14	0	0	0	0.0	1sw	1w	2nw	"	
15	0	0	0	0.0	2nw	2nw	0	"	D. a.m.
16	0	8cu	8cu	5.3	3sw	2sw	1sw	slight	D. a.m.
17	1ci	2ci	3cu	2.0	1sw	1sw	0	light	
18	0	0	0	0.0	0	3w	3sw	"	D. & w. a.m.
19	1ci	10cu	10cu	7.0	2w	2w	3w	slight	
20	8cu	2cu	1cu	3.7	1sw	1sw	2sw	"	
21	0	0	0	0.0	1sw	1sw	1sw	slight	
22	1cu	3cu	1cu	1.7	2sw	2sw	0	"	
23	0	0	0	0.0	1w	2ne	1ne	"	
24	0	1cu	10cu	3.7	3sw	1w	2w	"	
25	0	0	0	0.0	2sw	3sw	3sw	"	
26	0	0	0	0.0	2w	2sw	1sw	slight	
27	10cu	0	0	3.3	1sw	1sw	1sw	light	
28	1ci	9cu	0	3.3	1sw	1w	1w	"	
29	9ci	1ci	0	3.3	1nw	1w	0	"	
30	10cu	10cu	9cu	9.7	1w	1nw	1w	"	

* Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	3	2	0	0	15	5	4	1	30
14:30	1	4	1	0	0	13	8	3	0	30
20:30	0	4	1	1	0	9	5	2	8	30
Totals	1	11	4	1	0	37	18	9	9	90

Number of days with rain 3, fog 0, gale 0, thunderstorms 0.

62 yr av. number of days with rain during month 6.3